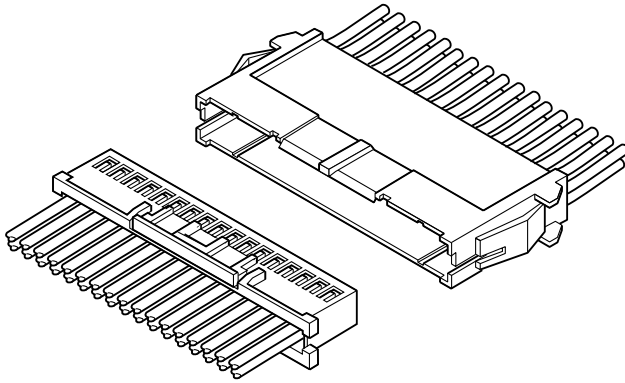




XAD CONNECTOR

2.5 mm pitch/Disconnectable Crimp style wire-to-wire connectors



This is dual-row panel mountable wire-to-wire connector for the XAD connector for printed circuit board (wire side).

- Compatible with XAD connector for printed circuit board (wire side)
- Inner type contact lance
- Panel mountable
- Secure locking structure

Specifications

- Current rating: 3 A AC/DC (AWG #20)
- Voltage rating: 250 V AC/DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 1,500 VAC/minute
- Applicable wire: AWG #28 to #20

* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).

* RoHS2 compliance

* Dimensional unit: mm

* Contact JST for details.

Standards

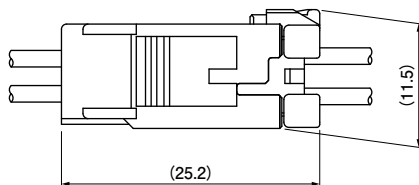
Ⓜ Recognized E60389

Ⓢ Certified LR20812

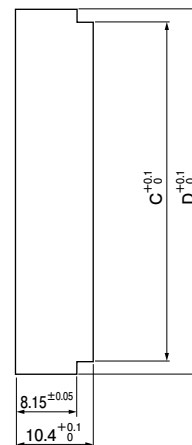
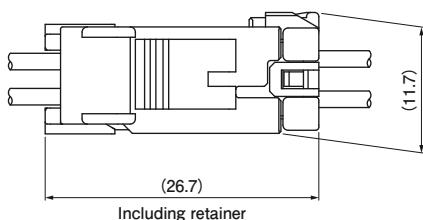
⚠ R9851219

Assembly layout and Panel layout

- Receptacle housing incompatible with retainer



- Receptacle housing compatible with retainer

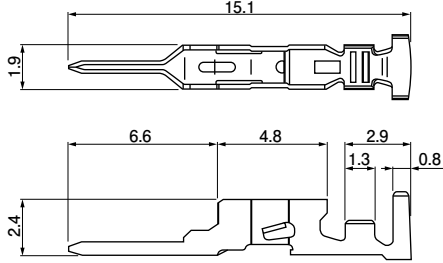


Note: C and D dimensions: Refer to the page of receptacle housing.

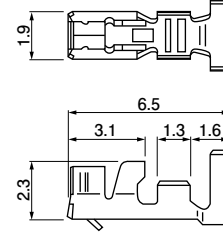
XAD CONNECTOR

Contact

Pin contact



Socket contact



| Model No. | | Applicable wire | | Insulation O.D. (mm) | Q'ty/reel | |
|----------------|----------------|-----------------|-------|----------------------|-------------|----------------|
| Pin contact | Socket contact | mm ² | AWG # | | Pin contact | Socket contact |
| SXAM-001T-P0.6 | SXA-001T-P0.6 | 0.08~0.33 | 28~22 | 0.8~1.9 | 7,000 | 8,000 |
| SXAM-01T-P0.6 | SXA-01T-P0.6 | 0.22~0.5 | 24~20 | 1.5~1.9 | 7,000 | 8,000 |
| — | SXA-001T-P0.6L | 0.13~0.33 | 26~22 | 1.3~1.7 | — | 8,000 |

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

Note: Contact JST for gold-plated products.

| Contact | Crimping machine | Applicator | | |
|----------------|------------------|------------------|-------------------|----------------------------|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| SXAM-001T-P0.6 | AP-K2N | MKS-L | MK/SXAM/XA-001-06 | APLMK SXAM/XA001-06 |
| SXAM-01T-P0.6 | | | MK/SXAM/XA-01-06 | APLMK SXAM/XA01-06 |

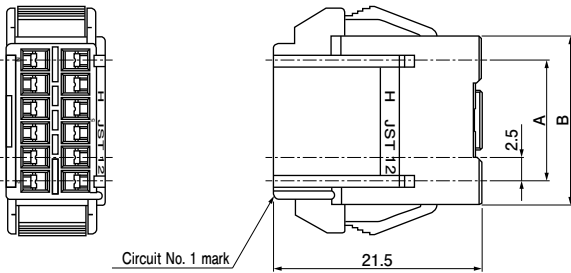
Note: Contact JST for fully automatic crimping applicator.

| Contact | Crimping machine | Applicator | | |
|----------------|------------------|------------------|-------------------|----------------------------|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| SXA-001T-P0.6 | AP-K2N | MKS-L | MK/SXAM/XA-001-06 | APLMK SXAM/XA001-06 |
| SXA-01T-P0.6 | | | MK/SXAM/XA-01-06 | APLMK SXAM/XA01-06 |
| SXA-001T-P0.6L | | | MK/SXA-001-06L | APLMK SXA001-06L |

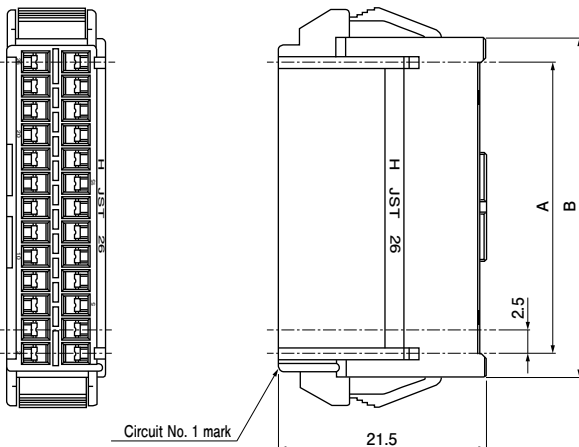
Note: Contact JST for fully automatic crimping applicator.

Receptacle housing (for pin contact)

• Receptacle housing incompatible with retainer (8 to 16 circuits)



(18 to 40 circuits)



| No. of circuits | Model No. | Dimensions (mm) | | | | Q'ty/bag |
|-----------------|-----------|-----------------|------|------|------|----------|
| | | A | B | C | D | |
| 8 | XADR-08V | 7.5 | 12.5 | 12.9 | 16.2 | 1,000 |
| 10 | XADR-10V | 10.0 | 15.0 | 15.4 | 18.7 | 500 |
| 12 | XADR-12V | 12.5 | 17.5 | 17.9 | 21.2 | 500 |
| 14 | XADR-14V | 15.0 | 20.0 | 20.4 | 23.7 | 500 |
| 16 | XADR-16V | 17.5 | 22.5 | 22.9 | 26.2 | 300 |
| 18 | XADR-18V | 20.0 | 25.0 | 25.4 | 28.7 | 300 |
| 20 | XADR-20V | 22.5 | 27.5 | 27.9 | 31.2 | 300 |
| 22 | XADR-22V | 25.0 | 30.0 | 30.4 | 33.7 | 300 |
| 24 | XADR-24V | 27.5 | 32.5 | 32.9 | 36.2 | 300 |
| 26 | XADR-26V | 30.0 | 35.0 | 35.4 | 38.7 | 300 |
| 28 | XADR-28V | 32.5 | 37.5 | 37.9 | 41.2 | 300 |
| 30 | XADR-30V | 35.0 | 40.0 | 40.4 | 43.7 | 300 |
| 32 | XADR-32V | 37.5 | 42.5 | 42.9 | 46.2 | 300 |
| 34 | XADR-34V | 40.0 | 45.0 | 45.4 | 48.7 | 200 |
| 36 | XADR-36V | 42.5 | 47.5 | 47.9 | 51.2 | 200 |
| 40 | XADR-40V | 47.5 | 52.5 | 52.9 | 56.2 | 200 |

Material and Finish

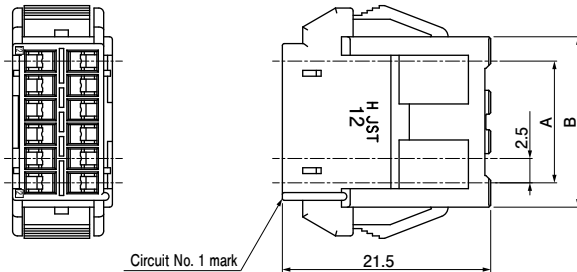
PA 66, UL94V-0, natural (white)

RoHS2 compliance

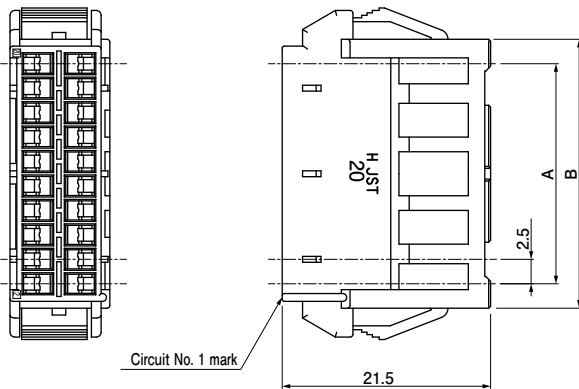
Note: C and D dimensions: Panel layout dimensions

Receptacle housing (for pin contact)

• Receptacle housing compatible with retainer (8 to 16 circuits)



(18 to 24 circuits)



| No. of circuits | Model No. | Dimensions (mm) | | | | Q'ty/bag |
|-----------------|-----------|-----------------|------|------|------|----------|
| | | A | B | C | D | |
| 8 | XADRR-08V | 7.5 | 12.5 | 12.9 | 16.2 | 1,000 |
| 10 | XADRR-10V | 10.0 | 15.0 | 15.4 | 18.7 | 500 |
| 12 | XADRR-12V | 12.5 | 17.5 | 17.9 | 21.2 | 500 |
| 16 | XADRR-16V | 17.5 | 22.5 | 22.9 | 26.2 | 300 |
| 18 | XADRR-18V | 20.0 | 25.0 | 25.4 | 28.7 | 300 |
| 20 | XADRR-20V | 22.5 | 27.5 | 27.9 | 31.2 | 300 |
| 22 | XADRR-22V | 25.0 | 30.0 | 30.4 | 33.7 | 300 |
| 24 | XADRR-24V | 27.5 | 32.5 | 32.9 | 36.2 | 300 |

Material and Finish

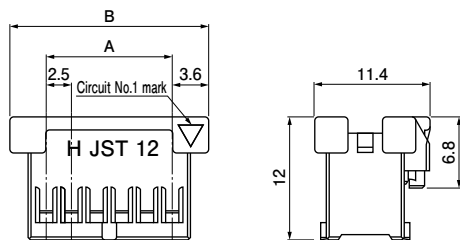
PA 66, UL94V-0, natural (white)

RoHS2 compliance

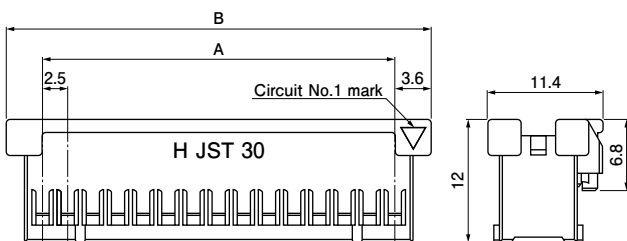
Note1: C and D dimensions: Panel layout dimensions
2: Unlisted in UL/CSA/TÜV.

Plug housing (for socket contact)

(8 to 16 circuits)



(18 to 40 circuits)



| No. of circuits | Model No. | Dimensions (mm) | | Q'ty/bag |
|-----------------|-----------|-----------------|------|----------|
| | | A | B | |
| 8 | XADRP-08V | 7.5 | 14.7 | 1,000 |
| 10 | XADRP-10V | 10.0 | 17.2 | 1,000 |
| 12 | XADRP-12V | 12.5 | 19.7 | 1,000 |
| 14 | XADRP-14V | 15.0 | 22.2 | 1,000 |
| 16 | XADRP-16V | 17.5 | 24.7 | 1,000 |
| 18 | XADRP-18V | 20.0 | 27.2 | 1,000 |
| 20 | XADRP-20V | 22.5 | 29.7 | 500 |
| 22 | XADRP-22V | 25.0 | 32.2 | 500 |
| 24 | XADRP-24V | 27.5 | 34.7 | 500 |
| 26 | XADRP-26V | 30.0 | 37.2 | 500 |
| 28 | XADRP-28V | 32.5 | 39.7 | 500 |
| 30 | XADRP-30V | 35.0 | 42.2 | 500 |
| 32 | XADRP-32V | 37.5 | 44.7 | 500 |
| 34 | XADRP-34V | 40.0 | 47.2 | 500 |
| 36 | XADRP-36V | 42.5 | 49.7 | 250 |
| 40 | XADRP-40V | 47.5 | 54.7 | 250 |

Material and Finish

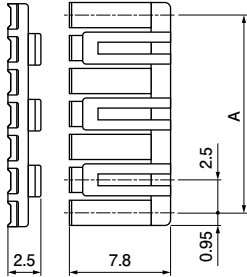
PA 66, UL94V-0, natural (white)

RoHS2 compliance

XAD CONNECTOR

Retainer

• For receptacle housing



| No. of circuits | Model No. | A (mm) | Q'ty/bag | Ref.: Applicable housing model No. |
|-----------------|-----------|--------|----------|------------------------------------|
| 4 | XMS-04V | 7.5 | 1,000 | XADRR-08V |
| 5 | XMS-05V | 10.0 | 1,000 | XADRR-10V |
| 6 | XMS-06V | 12.5 | 1,000 | XADRR-12V |
| 8 | XMS-08V | 17.5 | 1,000 | XADRR-16V |
| 9 | XMS-09V | 20.0 | 1,000 | XADRR-18V |
| 10 | XMS-10V | 22.5 | 1,000 | XADRR-20V |
| 11 | XMS-11V | 25.0 | 1,000 | XADRR-22V |
| 12 | XMS-12V | 27.5 | 1,000 | XADRR-24V |

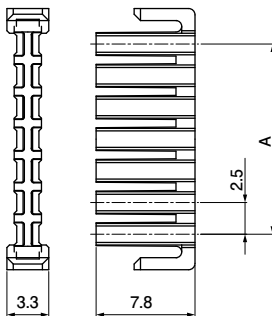
Material and Finish

Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS2 compliance

Note: Retainers cannot be used when wires of the insulation outer diameter with 1.7 mm or more are applied. Contact JST for details.

• For plug housing



| No. of circuits | Model No. | A (mm) | Q'ty/bag | Ref.: Applicable housing model No. |
|-----------------|------------|--------|----------|------------------------------------|
| 8 | XADS-08V-K | 7.5 | 1,000 | XADRP-08V |
| 10 | XADS-10V-K | 10.0 | 1,000 | XADRP-10V |
| 12 | XADS-12V-K | 12.5 | 1,000 | XADRP-12V |
| 14 | XADS-14V-K | 15.0 | 1,000 | XADRP-14V |
| 16 | XADS-16V-K | 17.5 | 1,000 | XADRP-16V |
| 18 | XADS-18V-K | 20.0 | 1,000 | XADRP-18V |
| 20 | XADS-20V-K | 22.5 | 1,000 | XADRP-20V |
| 22 | XADS-22V-K | 25.0 | 1,000 | XADRP-22V |
| 24 | XADS-24V-K | 27.5 | 1,000 | XADRP-24V |
| 26 | XADS-26V-K | 30.0 | 1,000 | XADRP-26V |
| 28 | XADS-28V-K | 32.5 | 1,000 | XADRP-28V |
| 30 | XADS-30V-K | 35.0 | 1,000 | XADRP-30V |
| 32 | XADS-32V-K | 37.5 | 1,000 | XADRP-32V |
| 34 | XADS-34V-K | 40.0 | 1,000 | XADRP-34V |
| 36 | XADS-36V-K | 42.5 | 1,000 | XADRP-36V |
| 40 | XADS-40V-K | 47.5 | 1,000 | XADRP-40V |

Material and Finish

Glass-filled PA 66, UL94V-0, black

RoHS2 compliance